

WHAT IS CLAIMED IS:

1. A door window glass regulator assembly for a vehicle comprising:
5 a lifting arm;
a glass rail slidably connected to the lifting arm for effecting vertical movement of the glass rail by rotational motion of the lifting arm;
an auxiliary arm hinged to the lifting arm and slidably connected to the glass rail;
10 a support rail for slidably supporting the auxiliary arm;
first and second sliders, the first slider slidably connecting the lifting arm to the glass rail, and the second slider slidably connecting the auxiliary arm to the glass rail;
a slidable stop bar between the two sliders; and
at least one connecting element for connecting said stop bar to one of the
15 sliders.

2. The assembly of claim 1, wherein the lifting arm comprises a rotation point, and the lifting arm is rotatable about the rotation point.

20 3. The assembly of claim 2, wherein the auxiliary arm connects to the support rail through a hinge point.

4. The assembly of claim 3, wherein a maximum first distance measured downwardly from a straight line to the glass rail is greater than a maximum second
25 distance measured upwardly from the straight line to the glass rail, the straight line being defined by the rotation point and the hinge point.

5. The assembly as defined in claim 1, wherein the at least one connecting element comprises:

30 a hitching hole in one slider; and

a hitching lug formed at the stop bar so as to be inserted into the hitching hole and to allow the slider and the stop bar to be integrated.

6. The assembly of claim 5, wherein the stop bar further comprises a
5 damper to buffer contact between the stop bar and the one slider.